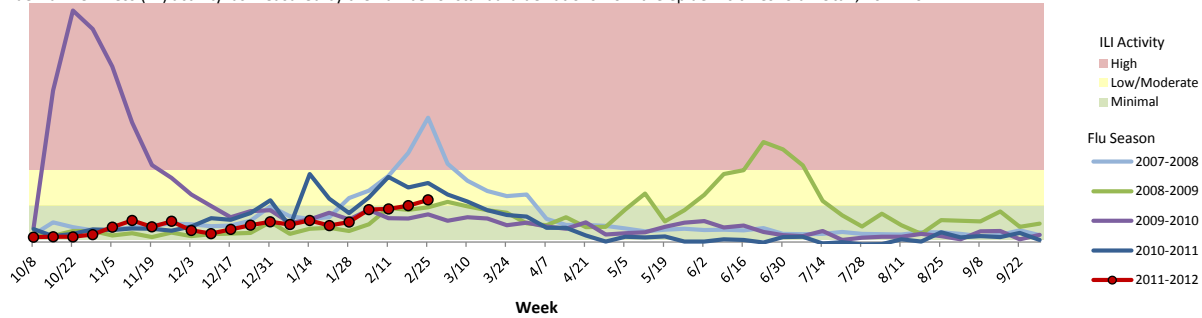


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



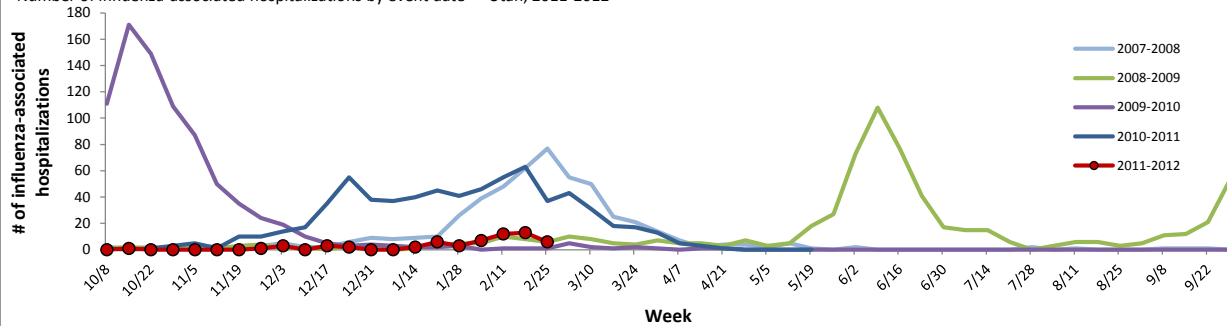
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Low/Moderate
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	35	59.3%	50.3%	0.1659
	Female	24	40.7%	49.7%	0.1659
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	45	76.3%	82.0%	0.2484
	Hispanic	7	11.9%	11.6%	0.9469
	Native Hawaiian/Pacific Islander	2	3.4%	0.7%	0.0110
	Black/African American	2	3.4%	0.9%	0.0496
	American Indian	0	0.0%	1.1%	0.4111
	Asian	3	5.1%	1.9%	0.0682
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	11	18.6%	4.1	2
5-24 years	10	16.9%	1.1	1
25-49 years	14	23.7%	1.4	1
50-64 years	15	25.4%	3.7	2
65+ years	9	15.3%	3.6	0
Total	59	100%	2.1	6

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	1
Central	4
Davis	2
Salt Lake	42
Southeastern	0
Southwest	1
Summit	2
Tooele	0
TriCounty	0
Utah	5
Wasatch	0
Weber-Morgan	2

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	12	20.3%	42	71.2%	5	8.5%
Ventilator	5	8.5%	49	83.1%	5	8.5%
Died	2	3.4%	50	84.7%	7	11.9%
Neurological Symptoms	7	11.9%	48	81.4%	4	6.8%
Healthcare Worker	1	1.7%	50	84.7%	8	13.6%
Pregnant	2	3.4%	55	93.2%	2	3.4%
Heart Disorder	7	11.9%	46	78.0%	6	10.2%
Blood Disorder	1	1.7%	51	86.4%	7	11.9%
Kidney Disorder	4	6.8%	51	86.4%	4	6.8%
Metabolic Disorder	12	20.3%	41	69.5%	6	10.2%
Chronic Respiratory Disorder	19	32.2%	35	59.3%	5	8.5%
Immunosuppressed	6	10.2%	47	79.7%	6	10.2%
Neurological Disorder	7	11.9%	48	81.4%	4	6.8%
Seizure Disorder	3	5.1%	52	88.1%	4	6.8%
Bacterial Co-infection	3	5.1%	52	88.1%	4	6.8%
Obese**	10	24.4%	14	34.1%	17	41.5%
Morbidly Obese**	1	2.4%	23	56.1%	17	41.5%
Risk Factor***	48	81.4%	11	18.6%	0	0.0%
Vaccinated	21	35.6%	24	40.7%	14	23.7%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	5	83.3%	54	91.5%
Probable**	1	16.7%	5	8.5%
Total	6	100.0%	59	100.0%

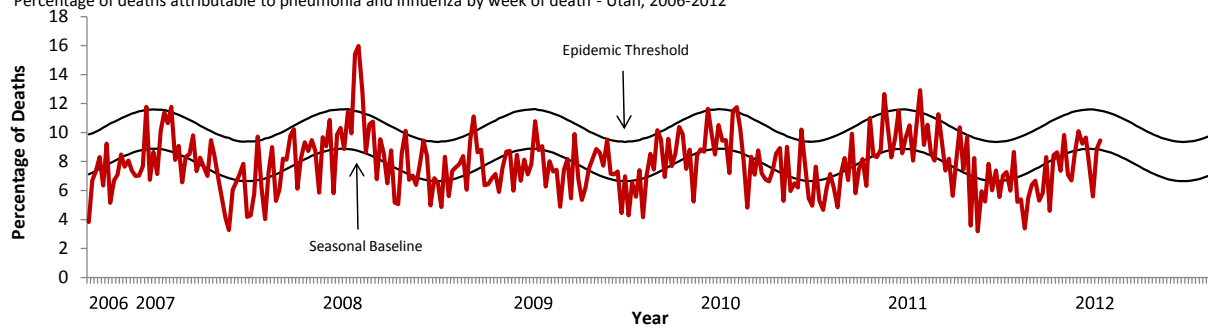
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

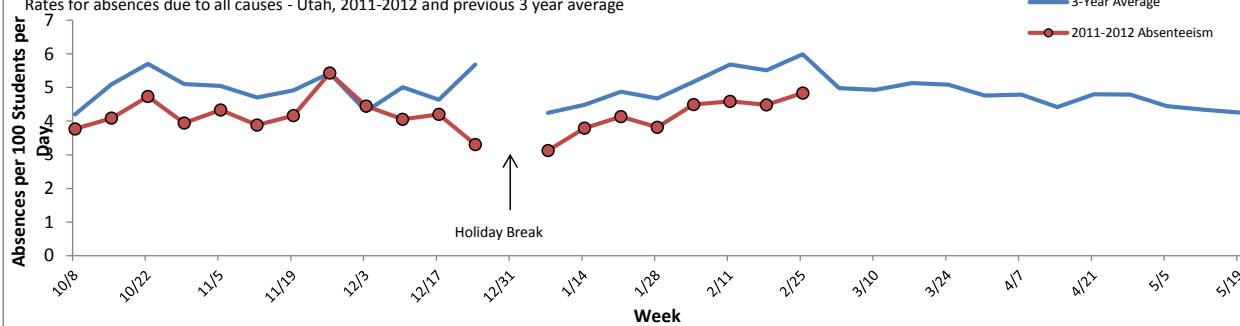
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.5
Central	5.3
Davis	4.2
Salt Lake	4.5
Southeast	5.8
Southwest	6.0
Summit	13.8
Tooele	6.2
TriCounty	4.6
Utah	2.7
Wasatch	4.6
Weber-Morgan	5.4
State	4.8

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	412	--	40	--
Positive specimens	175	42.5%	26	65.0%
Positive Specimens by Type/Subtype				
Influenza A	170	97.1%	26	100.0%
A (2009 H1N1)	120	70.6%	21	80.8%
A (H1)	0	0.0%	0	0.0%
A (H3)	50	29.4%	5	19.2%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	5	2.9%	0	0.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

